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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)						
FIS920020067 International application No.	International filing date (day/mo	nth/year) Priority date (day/month/year)						
PCT/US02/27115 26 August 2002 (26.08.2002) International Patent Classification (IPC) or national classification and IPC								
IPC(7): H01H 57/00; G02B 26/00 and US Cl.: 200/181; 361/233, 234, 211; 335/78								
Applicant								
INTERNATIONAL BUSINESS MACHINES CORPORATION								
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 								
2. This REPORT consists of a total of $\underline{3}$ sheets, including this cover sheet.								
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).								
These annexes consist of a total of O sheets.								
3. This report contains indications relating to the following items:								
I Basis of the report								
II Priority	II Priority							
III Non-establishment of report with regard to novelty, inventive step and industrial applicability								
IV Lack of unity o								
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
VI Certain docume	VI Certain documents cited							
VII Certain defects	VII Certain defects in the international application							
VIII Certain observations on the international application								
Date of submission of the demand	Date	of completion of this report						
25 March 2004 (25.03.2004)		fay 2004 (13.05.2004)						
Name and mailing address of the IPEA/	US Auth	orized officer						
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents		coln Donovan						
P.O. Box 1450 Alexandria, Virginia 22313-1450		(1 1)						
Facsimile No. (703) 305-3230		phone No. (571) 272-2800 Konu Robbs						
Form PCT/IPEA/409 (cover sheet)(July 1	(875)							

INTERNATIONAL PRELIMENARY EXAMINATION REPORT

Internationa	cation No.	
PCT/US02/27115	5	•

I.	Basi	s of the report				
1.	With	regard to the elements of the international application:*				
	\boxtimes	the international application as originally filed.				
	\boxtimes	the description:				
		pages 1-14 as originally filed pages NONE , filed with the demand				
		pages NONE, filed with the letter of				
	\boxtimes	the claims:				
		pages 15-19 as originally filed				
		pages NONE , as amended (together with any statement) under Article 19				
		pages NONE , filed with the demand pages NONE , filed with the letter of				
	\square	the drawings:				
		pages 1-15 , as originally filed				
		pages NONE , filed with the demand				
		pages NONE , filed with the letter of				
	Ш	the sequence listing part of the description:				
		pages NONE , as originally filed pages NONE , filed with the demand				
		pages NONE, filed with the letter of				
2.	With	regard to the language, all the elements marked above were available or furnished to this Authority in the				
	Iangu	page in which the international application was filed, unless otherwise indicated under this item. The elements were available or furnished to this Authority in the following language which is:				
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).				
		the language of publication of the international application (under Rule 48.3(b)).				
		the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).				
3.	With inter	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:				
		contained in the international application in printed form.				
		filed together with the international application in computer readable form.				
		furnished subsequently to this Authority in written form.				
		furnished subsequently to this Authority in computer readable form.				
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.				
		The statement that the information recorded in computer readable form is identical to the written sequence listing				
	لـــا	has been furnished.				
4.	\boxtimes	The amendments have resulted in the cancellation of:				
		the description, pages NONE				
		the claims, Nos. NONE				
		the drawings, sheets/ fig <u>NONE</u>				
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**				
* thi	Repla s repo	cement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in or as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).				
**	** Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.					

Form PCT/IPEA/409 (Box I) (July 1998)



Internation lication No. PCT/US02/2.

STATEMENT Novelty (N) Inventive Step (IS) Industrial Applicability (IA) 2. CITATIONS AND EXPLANATIONS	Claims Claims Claims	NONE	YES NO YES NO
Inventive Step (IS) Industrial Applicability (IA)	Claims Claims Claims	1-20	NO YES
Inventive Step (IS) Industrial Applicability (IA)	Claims Claims Claims	1-20	YES
Industrial Applicability (IA)	Claims Claims Claims	1-20	
Industrial Applicability (IA)	Claims Claims		
Industrial Applicability (IA)	Claims	NONE	NO
••			
•			
	O1-:		YES
	Claims	NONE	NO
Claims 1-20 meet the criteria set out in PCT Article 33 can be made or used in industry.		s have industrial applicability because the subje	et matter claimed